

## REMARKS

Applicants respectfully request reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow. Claims 1-28 have been canceled. Claims 29-89 have been added to clarify some of the inventive aspects of the present application. Applicants respectfully submit that no new matter has been added. Claims 29-89 are now pending in the present application.

### **I. Rejection of Claims 1-13, 17-23, and 27 Under 35 U.S.C. § 102(a)**

On page 2 of the Office Action, Claims 1-13, 17-23, and 27 were rejected under 35 U.S.C. § 102(a) as being anticipated by an article titled *Statistically Unique and Cryptographically Verifiable (SUCV) Identifiers and Addresses* by Montenegro et al. (Montenegro). Applicants respectfully reserve the right to swear behind Montenegro as a prior art reference. While Applicants do not agree with the rejection, Claims 1-13, 17-23, and 27 have been canceled rendering these rejections moot.

### **II. Rejection of Claims 14-15, 24-25, and 28 Under 35 U.S.C. § 103(a)**

On page 5 of the Final Office Action, Claims 14-15, 24-25, and 28 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Montenegro in view of an article titled *Password Protection: Is This the Best We Can Do?* by J. Mortensen (Mortensen). Applicants respectfully reserve the right to swear behind Mortensen as a prior art reference. While Applicants do not agree with the rejection, Claims 14-15, 24-25, and 28 have been canceled rendering these rejections moot.

### **III. Allowance of Added Claims 29-65**

Independent Claim 29 recites in part:

- (c) calculating a first address value based on the identified secret value and the identified number of identifications allowed;
- (d) generating an address as a concatenation of a second address value and the calculated first address value;

Independent Claim 36 recites in part:

- (c) calculating a first address value based on the identified secret value and the identified number of identifications allowed;

- (d) generating an address as a concatenation of a second address value and the calculated first address value;

Independent Claim 42 recites in part:

- (c) calculate a first address value based on the identified secret value and the identified number of identifications allowed;
- (d) generate an address as a concatenation of a second address value and the calculated first address value;

Independent Claim 48 recites in part:

- (c) calculating a first address value based on the identified secret value and the identified number of identifications allowed;
- (d) generating an address as a concatenation of a second address value and the calculated first address value;

Independent Claim 54 recites in part:

- (c) calculating a first address value based on the identified secret value and the identified number of identifications allowed;
- (d) generating an address as a concatenation of a second address value and the calculated first address value;

Independent Claim 60 recites in part:

- (c) calculate a first address value based on the identified secret value and the identified number of identifications allowed;
- (d) generate an address as a concatenation of a second address value and the calculated first address value;

None of the references cited by the Examiner teach, suggest, or disclose at least the limitations recited above. Montenegro describes:

*sucvHID*: 64 bit SUCV identifier used instead of the *interface identifier*, and combined with the routing prefix to form an autoconfigured IPv6 address [13]. Obtained as the keyed hash output of the hash of the public key, using an imprint value as the input key.

(Page 2, section 3, italics in original). Montenegro further states that the “public key is the DSA public key.” (Page 4, section 5.3). Montenegro fails to teach, suggest, or disclose

“calculating a first address value based on the identified secret value and the identified number of identifications allowed” as required by Claims 29, 36, 42, 48, 54, and 60. Mortensen also fails to teach, suggest, or disclose “calculating a first address value based on the identified secret value and the identified number of identifications allowed” as required by Claims 29, 36, 42, 48, 54, and 60.

Neither an anticipation rejection nor an obviousness rejection can be properly maintained where the references used in the rejection do not disclose all of the recited claim elements. As a result, Applicants respectfully request allowance of claims 29, 36, 42, 48, 54, and 60. Claims 30-35 depend from claim 29. Claims 37-41 depend from claim 36. Claims 41-47 depend from claim 41. Claims 49-53 depend from claim 48. Claims 55-59 depend from claim 54. Claims 61-65 depend from claim 60. Therefore, Applicants respectfully request allowance of claims 29-65.

**IV. Allowance of Added Claims 66-89**

Independent Claim 66 recites in part:

calculating a plurality of random values using the identified plurality of random bits and the identified plurality of random integers;

calculating a first address value based on the calculated plurality of random values;

Independent Claim 71 recites in part:

calculating a plurality of random values using the identified plurality of random bits and the identified plurality of random integers;

calculating a first address value based on the calculated plurality of random values;

Independent Claim 76 recites in part:

calculate a plurality of random values using the identified plurality of random bits and the identified plurality of random integers;

calculate a first address value based on the calculated plurality of random values;

Independent Claim 81 recites in part:

calculating a plurality of random values using the identified plurality of random bits and the identified plurality of random integers;

calculating a first address value based on the calculated plurality of random values;

Independent Claim 84 recites in part:

calculating a plurality of random values using the identified plurality of random bits and the identified plurality of random integers;

calculating a first address value based on the calculated plurality of random values;

Independent Claim 87 recites in part:

calculate a plurality of random values using the identified plurality of random bits and the identified plurality of random integers;

calculate a first address value based on the calculated plurality of random values;

None of the references cited by the Examiner teach, suggest, or disclose at least the limitations recited above. Montenegro again describes:

*sucvHID*: 64 bit SUCV identifier used instead of the *interface identifier*, and combined with the routing prefix to form an autoconfigured IPv6 address [13]. Obtained as the keyed hash output of the hash of the public key, using an imprint value as the input key.

(Page 2, section 3, italics in original). Montenegro further states that the “public key is the DSA public key.” (Page 4, section 5.3). Montenegro fails to teach, suggest, or disclose “calculating a plurality of random values using the identified plurality of random bits and the identified plurality of random integers” as required by Claims 66, 71, 76, 81, 84, and 87. Mortensen also fails to teach, suggest, or disclose “calculating a plurality of random values using the identified plurality of random bits and the identified plurality of random integers” as required by Claims 66, 71, 76, 81, 84, and 87.

Neither an anticipation rejection nor an obviousness rejection can be properly maintained where the references used in the rejection do not disclose all of the recited claim elements. As a result, Applicants respectfully request allowance of 66, 71, 76, 81, 84, and 87. Claims 67-70 depend from claim 66. Claims 72-75 depend from claim 71. Claims 77-80 depend from claim 76. Claims 82-83 depend from claim 81. Claims 85-86 depend from claim 84. Claims 88-89 depend from claim 87. Therefore, Applicants respectfully request allowance of claims 66-89.

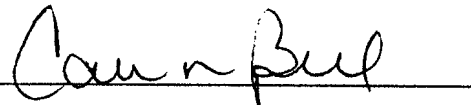
Applicants believe that the present application is in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested. The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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By



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